

CLAIMS:

What is claimed is:

- 1 1. A display device comprising:
2 a first voltage driver;
3 an array of display drivers, each formed from a first substrate and
4 deposited and recessed onto a second substrate, each of said display drivers
5 converting a first voltage from said first voltage driver to a second voltage.
- 1 2. The display device of claim 1, wherein a plurality of spacers are
2 deposited onto the first substrate.
- 1 3. The display device of claim 1, wherein a plurality of driver chips are
2 deposited onto the first substrate.
- 1 4. The display device of claim 1, wherein said display device conforms to a
2 desired shape of an object which is planar when said display device is attached
3 to said object.
- 1 5. The display device of claim 1, wherein said display device conforms to a
2 desired shape of an object which is non-planar when said display device is
3 attached to said object.
- 1 6. The display device of claim 1, wherein at least one of the plurality of
2 display drivers coupled to a first substrate drives a picture element.
- 1 7. The display device of claim 1, wherein the display drivers are rods.
- 1 8. The display device of claim 1, wherein the display drivers are at least
2 one emitter and at least one gate.
- 1 9. The display device of claim 1, wherein a plurality of spacers are
2 deposited onto the first substrate.
- 1 10. The display device of claim 1, wherein a first plurality of shaped drivers
2 and a second plurality of shaped drivers are deposited on a substrate.

- 1 11. The display device of claim 1, wherein a plurality of objects are
2 deposited onto the first substrate, the objects are one of display drivers,
3 spacers, emitters, and gates.
- 1 12. A method comprising:
2 dispensing a slurry over a first substrate, said slurry containing a
3 plurality display drivers which are deposited onto receptor regions of said first
4 substrate;
5 transferring said plurality of display drivers from the first substrate onto
6 a second substrate; and
7 transferring said plurality of display drivers from the second substrate
8 to a third substrate.
- 1 13. The method as in claim 12, wherein said first substrate is a donor
2 substrate.
- 1 14. The method as in claim 12, wherein said second substrate is a donor
2 substrate.
- 1 15. The method as in claim 12, wherein said donor substrate is reusable
2 such that it is capable of being used to transfer a further plurality of display
3 drivers onto a third substrate.
- 1 16. The method as in claim 12, wherein said third substrate is flexible.
- 1 17. The method as in claim 12, wherein said third substrate is rigid.
- 1 18. The method as in claim 12, further comprising:
2 heating the second substrate before transferring the plurality of display
3 drivers from the first substrate.
- 1 19. The method as in claim 12, further comprising:
2 heating said second substrate while transferring said plurality of display
3 drivers.
- 1 20. The method as in claim 12, further comprising:

2 heating the third substrate before transferring the plurality of display
3 drivers from the second substrate.

1 21. The method as in claim 12, wherein said transferring comprises pressing
2 said first substrate onto said second substrate.

1 22. The method as in claim 12, wherein said pressing comprises rolling said
2 first substrate and said second substrate together through a roller.

1 23. The method as in claim 12, wherein the plurality of display drivers is
2 one of emitters and gates, and rods.

1 24. A method comprising:
2 dispensing a slurry over a first substrate, said slurry containing a
3 plurality of display drivers which are deposited onto receptor regions of said
4 first substrate;
5 said first substrate coupled to a display medium and serving as an
6 active matrix display backplane.